

Figure 1a

MDSEAFQSARDFLDMNFQSLAMKHMDLKQMELDTAALKVDELTKQLESLSWSDSPAPPGPQAGP  
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 RGPSPRPPTATAYDAPASAFGSSLLGSGGSAFAPPLRAQDDLTLLRRRPPKAWNESDLDAVEKKPSQ  
 TASYERLDVFAFPASPSLQLLPWRESSLDGLGGTGKDNLTSAATLPRNYKVSPLASDRRSDAGSYRR  
 SLGSAGPSGTLPRSWQPVSRIPMPSSPQPRGAPRQRPIPLSMIFKLQNAFWEHGASRAMLPGPSPLF  
 TRAPPPKLQPPQPPQPPQPSQPPQPPQPTQPTPTAPQHPQQTWPPVNEGPPKPPTELEPEPEI  
 EGLLTPVLEAGDVDEGPFVARPLSPTRLQALPPEAOSVPELEEVARVLAIEIPRPLKRRGSMEQAPA  
VALPPTHKKOYQOQIISRLFHRHGGPGPGGPEPELSPITEGSEARAGPPAPAPPAPIPPPAPSOSSPPEQ  
PQSMEMRSVLRKAGSPRKARRARLNPLVLLDAALTGELEVVOQAVKEMNDPSQPNEEGITALH  
NAICGANYSIVDFLITAGANVNSPDSHGWTPLHCAASCNDTVICMALVOHGAAIFATLSDGATAF  
EKCDPYREGYADCATYLADVEQSMGLMNSGAVYALWDYSAEFGDELSFREGESVTVLRDGPBE  
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Figure 1b

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 GACCCCTTCTAGGCCGCCCCGGTACAGCTCCAGCTCGATCCCTGAGCCCTTCGGCAGCCGAG  
 GGTCCCCCGGAAGGCGGCCACCGACGGCGCAGACACCCGTTCCGACGATCAGAGAGTGCC  
 CCAACCCTACACCCCTACAGCCCGCTGTCCCCCAAGGGACGGCCGTCGTCGCCGCGCACCCCG  
 CTCTACCTGCAGCCGGACGCCTACGGCAGCCTGGACACCGCGGACCTCGCCCGCGCCCGCGCC  
 TTCGATGGCGCAGGCAGCTCCCTCGGCCGTGCGCCCTCCCGCGCGCCCGGGCCAGGCCCGCTC  
 CGCCAGCAGGGTCCCCCACGCCTTTCGACTTCTGCGCCGCGCAGGCTCCCCCGCGGCAGC  
 CCCCTGGCGGAGGGGGCCCCAGGCCTTCTTCCCCGAGCGTGGGCGGTCACCGCGCCCCCTGCC  
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 CACCAGCTCCCATTCACCCCCGCCCCGTCCAGAGCAGCCACCAAGAGCAGCCGCAGAGC  
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 CAACCTCTGGTGCTCCTCTGGACGCGGCGCTGACCGGGGAGCTGGAGGTGGTGCAGCAGG  
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TTGCTGCCTTTATCTGCACCCCTCACCTGCTGGTGGTGGTCCCTTGCCACCGGTTCTCTGTTCTC  
CTGGAAGTCCAGGGAAGAAGGAGGGCCCCAGCCTTAAATTTAGTAATCTGCCTTAGCCTTGGG  
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CCCGTCCAAAGTGCCTCCCATGCCTACCACCATCATCACATCCCCAGCAAGCCAGCCACCTG  
CCCAGCCGGGCCTGGGATGGGCCACCACCACTGGATATTCCTGGGAGTCACTGCTGACACC  
ATCTCTCCAGCAGTCTTGGGGTCTGGGTGGGAAACATTGGTCTCTACCAGGATCCCTGCCCC  
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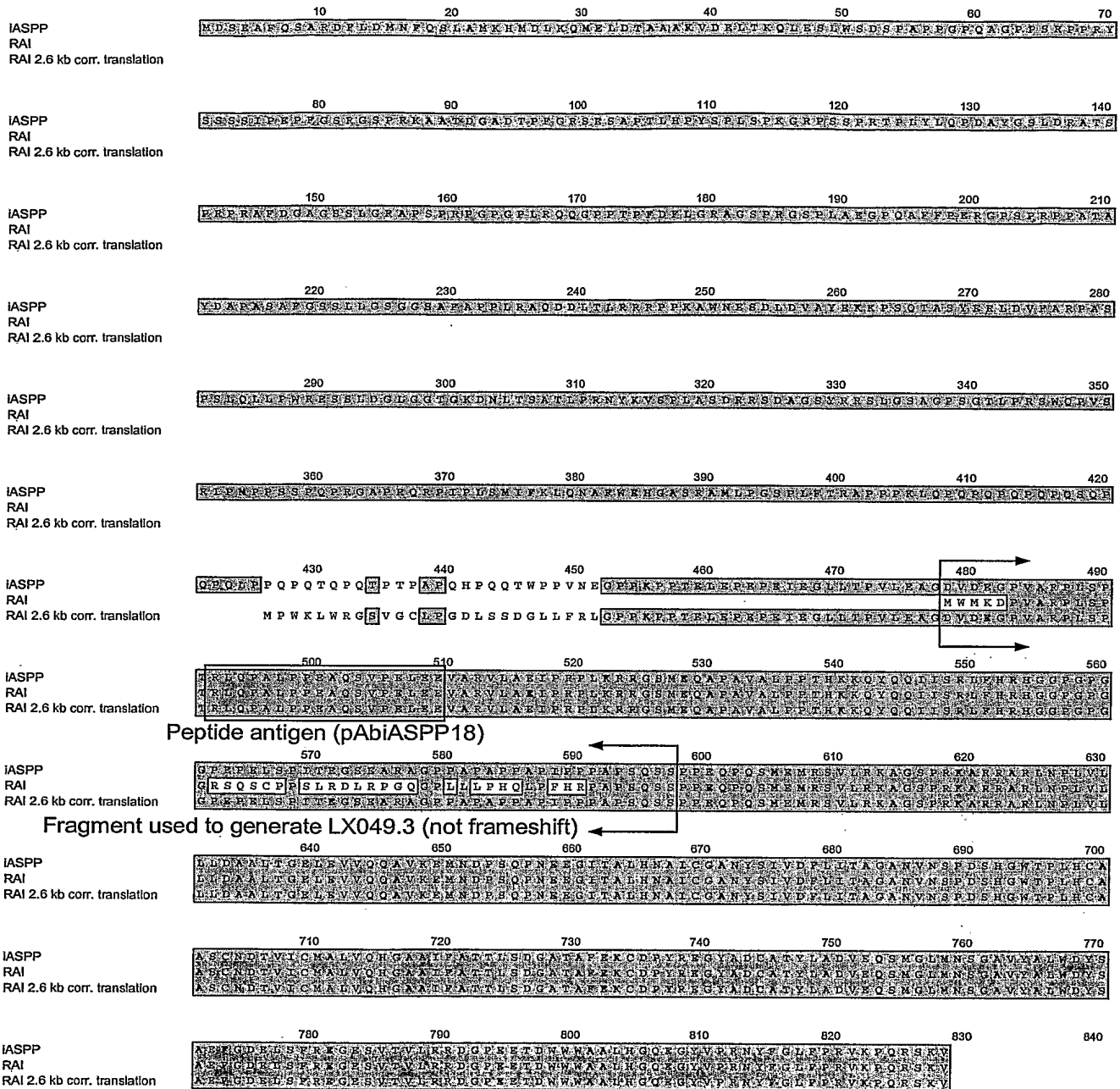
Figure 2a

MWMKDPVARPLSPTRLQPALPPEAQSVPELEEVARVLAIEPRPLKRRGSMEQAPAVA  
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 SQSSPPEQPQSMEMRSVLRKAGSPRKARRARLNPLVLLLDAAALTGELEVQQA VKE  
 MNDPSQPNEEGITALHNAICGANYSIVDFLITAGANVNSPD SHGWTPLHCAASCNDT  
 VICMALVQHGA AIFATTLSDGATAFEKCDPYREGYADCATY LADVEQSMGLMNSGA  
 VYALWDYSAEFGDELSFREGESVTVLRRDGP EETDWWW AALHGQEGYVPRNYFGL  
 FPRVKPQRSKV

Figure 2b

GCGGCCGCGTCGACCCGGCGTTTCAGACGCGGGCAGCTACCGGCGCTCGCTGGGTCCGCGGGGGCCGTC  
 GGGCACTTTGCTCGCAGCTGGCAGCCCGTCAGCCGCATCCCATGCCCCCTCCAGCCCCAGCCCC  
 GCGGGGGCCCCGCGCCAGCGTCCCATCCCCCTCAGCATGATCTTCAAGCTGCAGAACGCCTTCTGGGA  
 GCACGGGGCCAGCCGCG CCATGCTCCCTGGGTCCCCCTCTTCACCCGAGCACCCCCGCCTAAGCTG  
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 AGACCCAACCCCAAACCCCTACCCAGCCTCCACATCCGCATCCCCAACAGACATGGCCCCCTGTG  
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 CAGCCAGCACTGCCACCGGAGGCACAGTCGGTGCCCGAGCTGGAGGAGGTGGCACGGGTGTTGGCG  
 GAAATTCCCCGGCCCCCTCAAACGCAGGGGCTCCATGGAGCAGGCCCTGTGTGGCCCTGCCCCCTA  
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 CTCTGGTGCTCCTCCTGGACGCGGCGCTGACCGGGGAGCTGGAGGTGGTGCAGCAGGCGGTGAAGG  
 AGATGAACGACCCGAGCCAGCCCAACGAGGAGGGCATCACTGCCTTGCAACAACGCCATCTGCGGCG  
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 GCGCTG CAATCTTCGC CACCACGCTC AGCGACGGCG CCACCGCCTTCGAGAAGTGCGACCCCTTACC  
 GCGAGGGTTATGCTGACTGCGCCACCTACCTGGCAGACGTCGAGCAGAGTATGGGGCTGATGAACA  
 GCGGGGCAGTGACGCTCTCTGGGACTACAGCGCCGAGTTCGGGGACGAGCTGTCTTCCGCGAGGG  
 CGAGTCGGTCACCGTGCTGCGGAGGGACGGGCCGAGGAGACCGACTGGTGGTGGGCCGCGCTGCA  
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 TTAGCCTTGGGAGGTCTGGGAAGGGCTGGAAATCACTGGGGACAGGAAACCACTTCTTTTGCCAAA  
 TCAGAT CCGCTCCAAA GTGCCTCCCA TGCCTACCAC CATCATCACA TCCCCAGCAAGCCAGCCAC  
 CTGCCAGCCGGGCTGGGATGGGCCACCACCACTGGATATTCCTGGGAGTCACTGCTGACACCA  
 TCTCTCCCAGCAGTCTTGGGGTCTGGGTGGGAAACATTGGTCTCTACCAGGATCCCTGCCCCACCTCT  
 CCCCC ATTAAGTGCC TTCACACAGC ACTGGTTAATGTTTATAAA CAAAATAGAG AAAGTGGTTT  
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Figure 3.1



iASPP



Figure 3.3

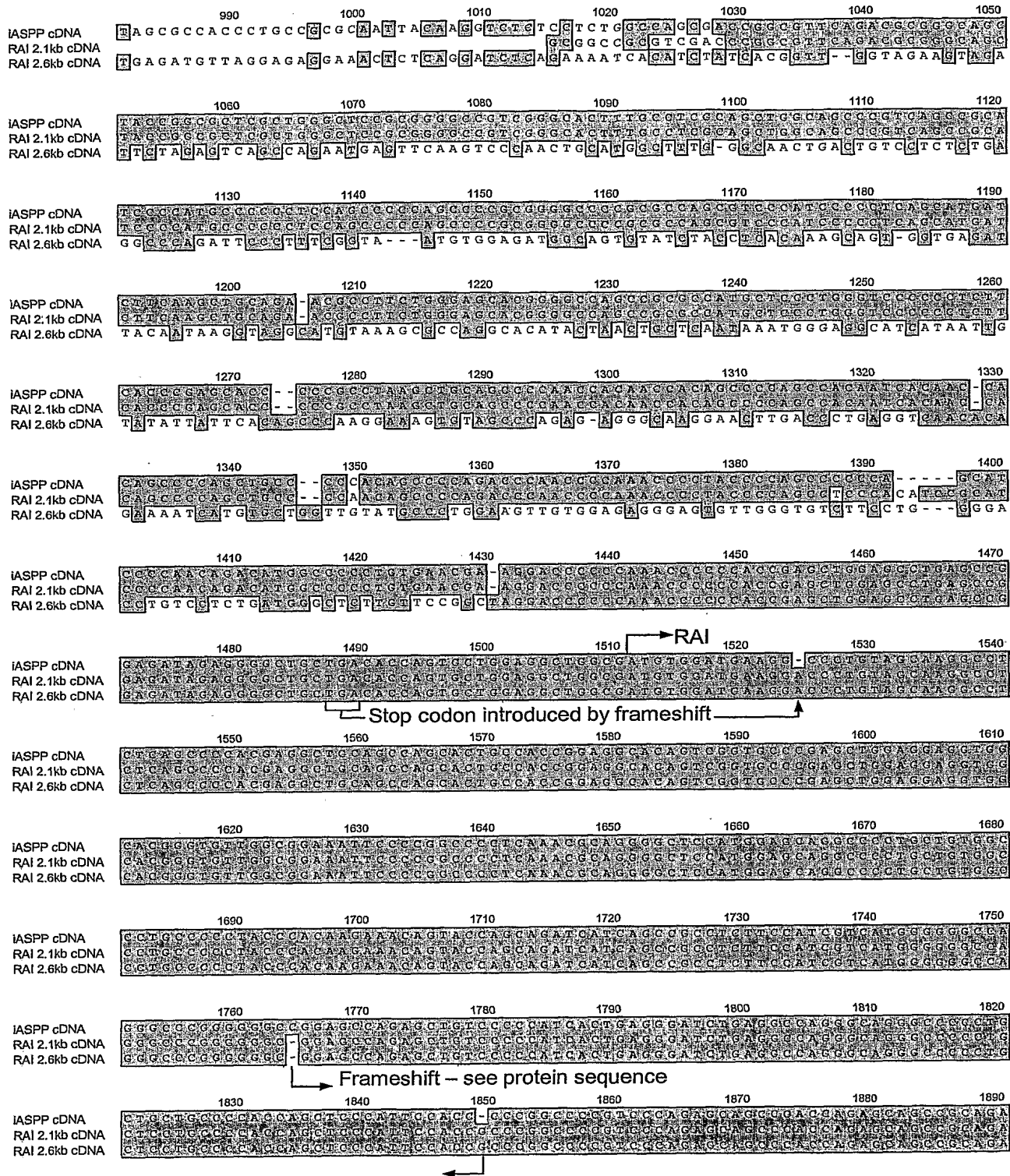


Figure 3.4

IASPP cDNA	1900	1910	1920	1930	1940	1950	1960
RAI 2.1kb cDNA	G C A T G G A G A T G C G C T C T G T G C T G C G A A G G C G G G C T C C G C G C A A G G C C G G C G G G C T C A A C C C						
RAI 2.6kb cDNA	G C A T G G A G A T G C G C T C T G T G C T G C G A A G G C G G G C T C C G C G C A A G G C C G G C G G G C T C A A C C C						
IASPP cDNA	1970	1980	1990	2000	2010	2020	2030
RAI 2.1kb cDNA	T C T G C T G C T C C T G C T G C A C G G G C G G T G A C C G G G A G G T G C A G C T G G T G C A G C A G C C G G T G A A G G A G A T G						
RAI 2.6kb cDNA	T C T G C T G C T C C T G C T G C A C G G G C G G T G A C C G G G A G G T G C A G C T G G T G C A G C A G C C G G T G A A G G A G A T G						
IASPP cDNA	2040	2050	2060	2070	2080	2090	2100
RAI 2.1kb cDNA	A A C G A C G G G A G C C A G C C A C A C G A G A G C C A T C A C T G C C T T G C A A C G C C A T C T G G G G C C A A C T A C T						
RAI 2.6kb cDNA	A A C G A C G G G A G C C A G C C A C A C G A G A G C C A T C A C T G C C T T G C A A C G C C A T C T G G G G C C A A C T A C T						
IASPP cDNA	2110	2120	2130	2140	2150	2160	2170
RAI 2.1kb cDNA	C A T T G G T G A T T T C T C A T C A C C G C G G T G C C A T G T C A A C T C C C C A G A C C A C G G T G G A C A C C C T						
RAI 2.6kb cDNA	C A T T G G T G A T T T C T C A T C A C C G C G G T G C C A T G T C A A C T C C C C A G A C C A C G G T G G A C A C C C T						
IASPP cDNA	2180	2190	2200	2210	2220	2230	2240
RAI 2.1kb cDNA	G A C T G C G G G C T C G T G C A C G A C G A C A G T C A T C T G C A T G G G G C T G G T G C A G C A C G G C G C G C A A C T T C						
RAI 2.6kb cDNA	G A C T G C G G G C T C G T G C A C G A C G A C A G T C A T C T G C A T G G G G C T G G T G C A G C A C G G C G C G C A A C T T C						
IASPP cDNA	2250	2260	2270	2280	2290	2300	2310
RAI 2.1kb cDNA	G C C A C C A C C C T C A G C G A C G G G C C A C G G C C T T C G A G A G A G C C A G C C A G C C T T A C C C G A G G G T A T G C G A C T						
RAI 2.6kb cDNA	G C C A C C A C C C T C A G C G A C G G G C C A C G G C C T T C G A G A G A G C C A G C C A G C C T T A C C C G A G G G T A T G C G A C T						
IASPP cDNA	2320	2330	2340	2350	2360	2370	2380
RAI 2.1kb cDNA	G C C C A C C C T C C T G G C A C G G C C C A C G A C A G C A T G C G G C T G A T G A C A G G G G C A C T G A A G G C T C T G						
RAI 2.6kb cDNA	G C C C A C C C T C C T G G C A C G G C C C A C G A C A G C A T G C G G C T G A T G A C A G G G G C A C T G A A G G C T C T G						
IASPP cDNA	2390	2400	2410	2420	2430	2440	2450
RAI 2.1kb cDNA	G G A C T A G A G C C C G A G G T T G G G G A C G A G G T G T C C T T G C C C A G G G C G A G T C G G T C A C C T G C C G A G						
RAI 2.6kb cDNA	G G A C T A G A G C C C G A G G T T G G G G A C G A G G T G T C C T T G C C C A G G G C G A G T C G G T C A C C T G C C G A G						
IASPP cDNA	2460	2470	2480	2490	2500	2510	2520
RAI 2.1kb cDNA	G A C G G G C C G A C C A C A C C A C C C T G C C T G C C G C T G C A C G G C A G G C A G G G C T A C C T G C C G G G A A C T						
RAI 2.6kb cDNA	G A C G G G C C G A C C A C A C C A C C C T G C C T G C C G C T G C A C G G C A G G C A G G G C T A C C T G C C G G G A A C T						
IASPP cDNA	2530	2540	2550	2560	2570	2580	2590
RAI 2.1kb cDNA	A C T T C G G G C T G T T C C C A G G G T G A A C C C A A G G A C T A A G T C T A G C A G G A T A G A A G G A G G T T T C T G A G						
RAI 2.6kb cDNA	A C T T C G G G C T G T T C C C A G G G T G A A C C C A A G G A C T A A G T C T A G C A G G A T A G A A G G A G G T T T C T G A G						
IASPP cDNA	2600	2610	2620	2630	stop	2640	2650
RAI 2.1kb cDNA	G C T G C A C G A A C A A G A A T C C T G C C T G C C A G A C C T C T C C T G C T G T T T T G C T G C C T T T A T C T G C A						
RAI 2.6kb cDNA	G C T G C A C G A A C A A G A A T C C T G C C T G C C A G A C C T C T C C T G C T G T T T T G C T G C C T T T A T C T G C A						
IASPP cDNA	2670	2680	2690	2700	2710	2720	2730
RAI 2.1kb cDNA	C C C C C A G C C T G C T G G T G G T G C C T T G C C A C C G G T C T C T G C T C C T G G A A G C C A G G G A A G A A G G A G						
RAI 2.6kb cDNA	C C C C C A G C C T G C T G G T G G T G C C T T G C C A C C G G T C T C T G C T C C T G G A A G C C A G G G A A G A A G G A G						
IASPP cDNA	2740	2750	2760	2770	2780	2790	2800
RAI 2.1kb cDNA	G G C C C A G C C T T A A A T T T A G T A A T C T G C C T T A G C C T T G G G A G G T G G G A A G G G C T G G A A A T C A C T G C C C						
RAI 2.6kb cDNA	G G C C C A G C C T T A A A T T T A G T A A T C T G C C T T A G C C T T G G G A G G T G G G A A G G G C T G G A A A T C A C T G C C C						
IASPP cDNA	2810	2820	2830	2840	2850	2860	2870
RAI 2.1kb cDNA	A C A G G A A C C A C T T C C T T T T G C C A A T C A G A T C C C G G T C C A A A G T G C C T C C C A T G C C T A G C A C C A T C A T C A						
RAI 2.6kb cDNA	A C A G G A A C C A C T T C C T T T T G C C A A T C A G A T C C C G G T C C A A A G T G C C T C C C A T G C C T A G C A C C A T C A T C A						

Figure 3.5

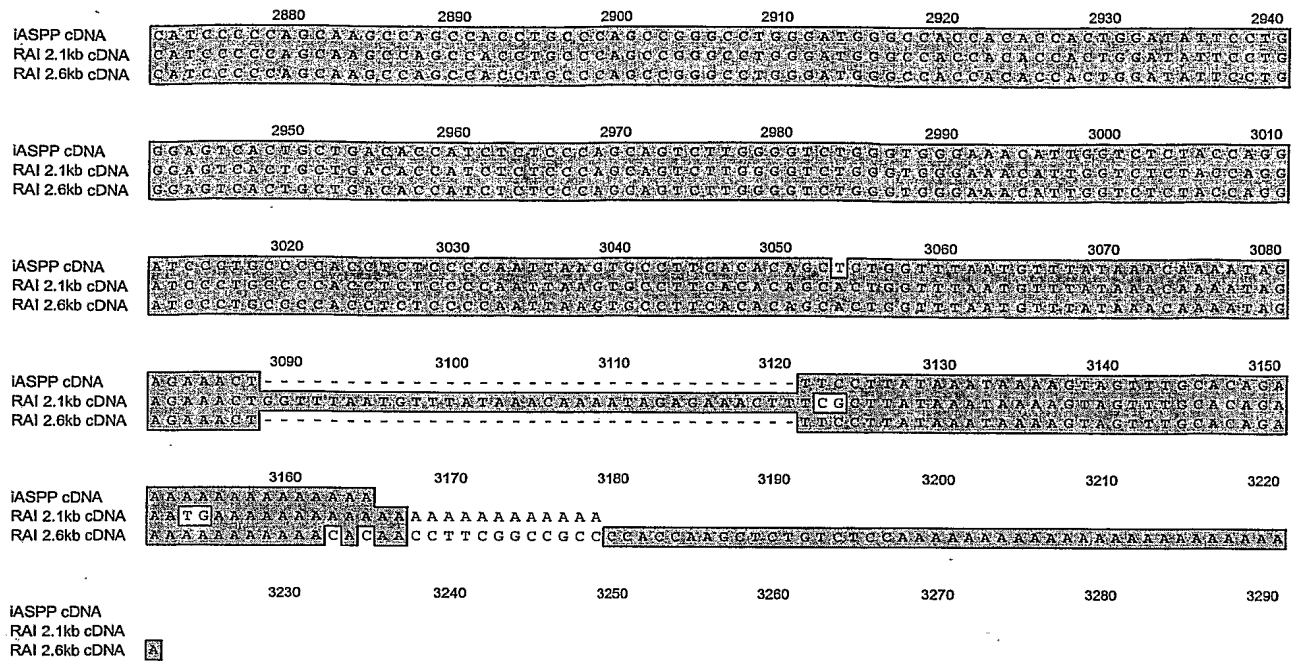
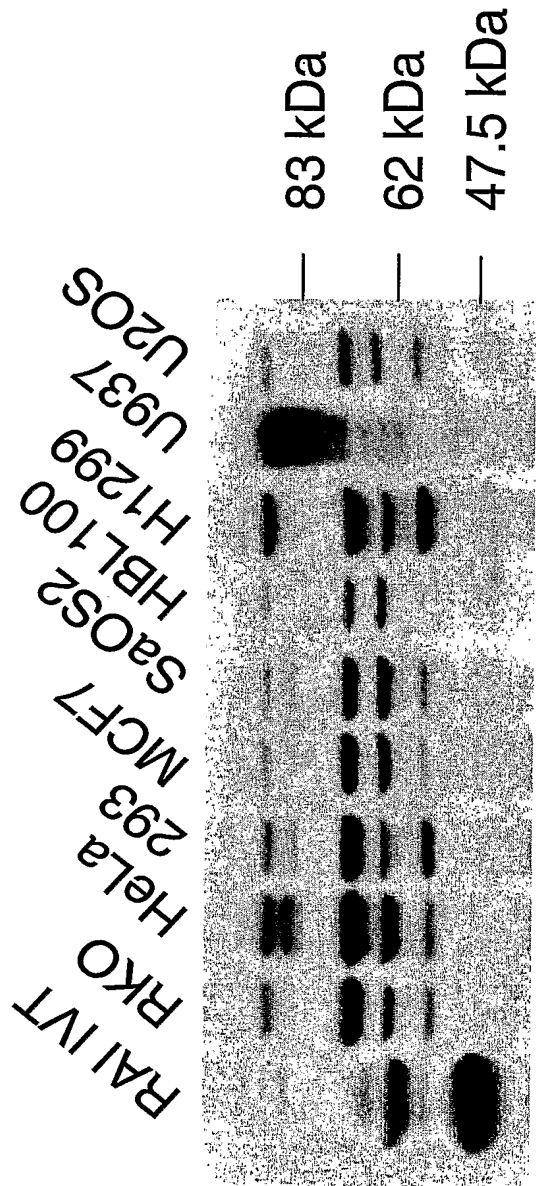




Figure 4a

Expression of iASPP in various cell lines



Antibody = LX049.3

Figure 4B

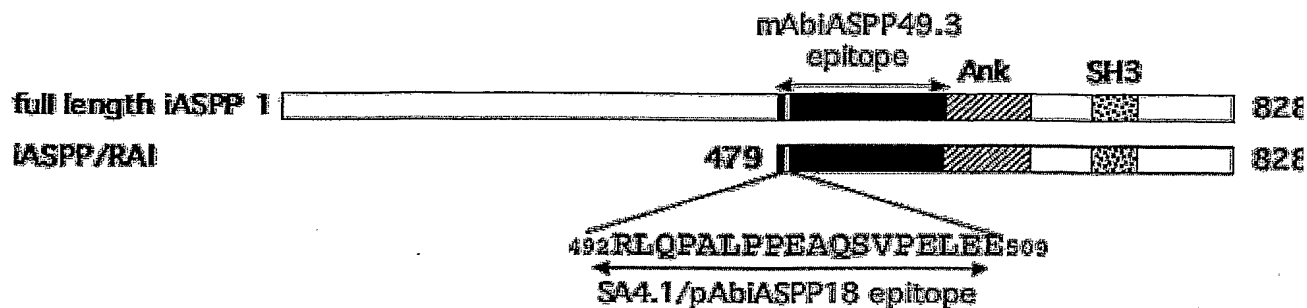


Figure 4C

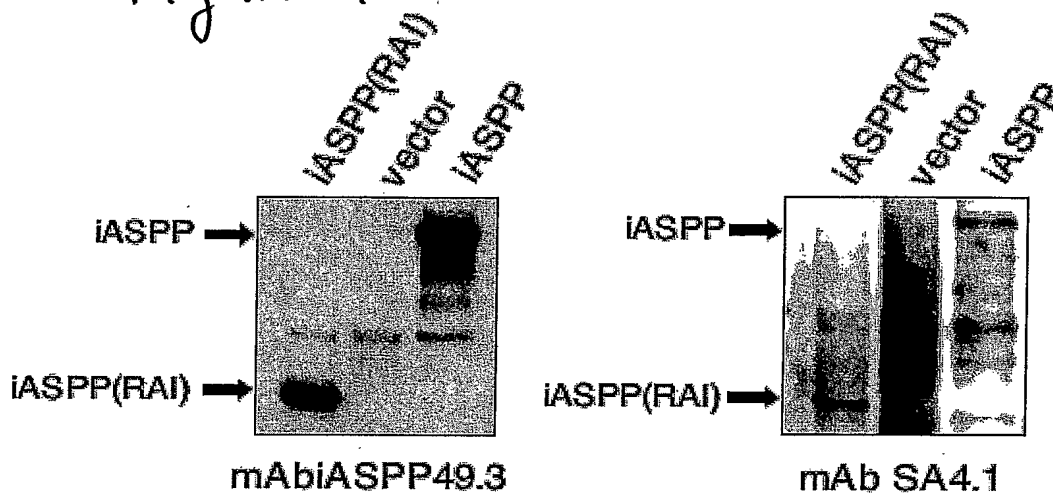
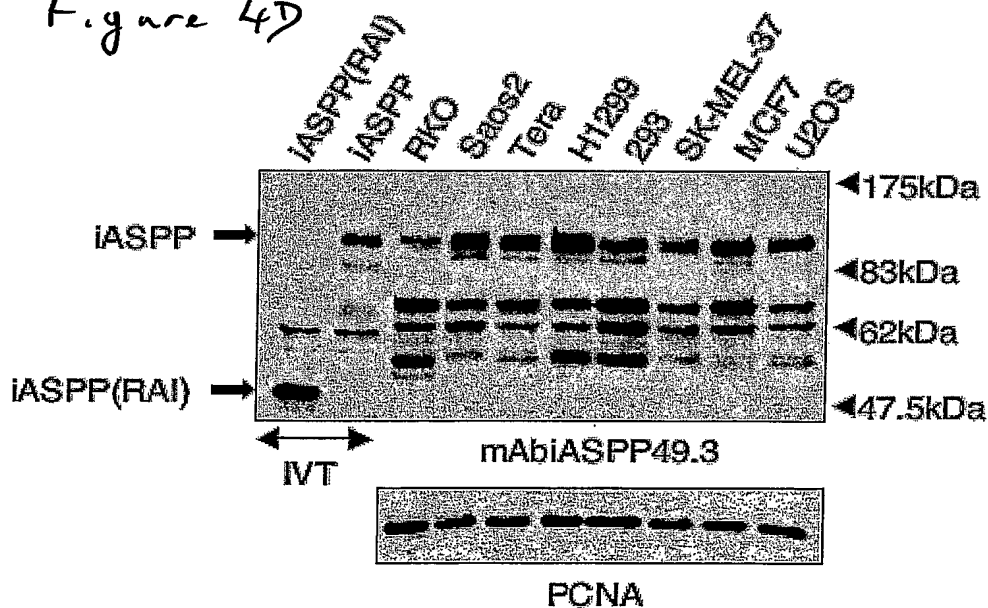
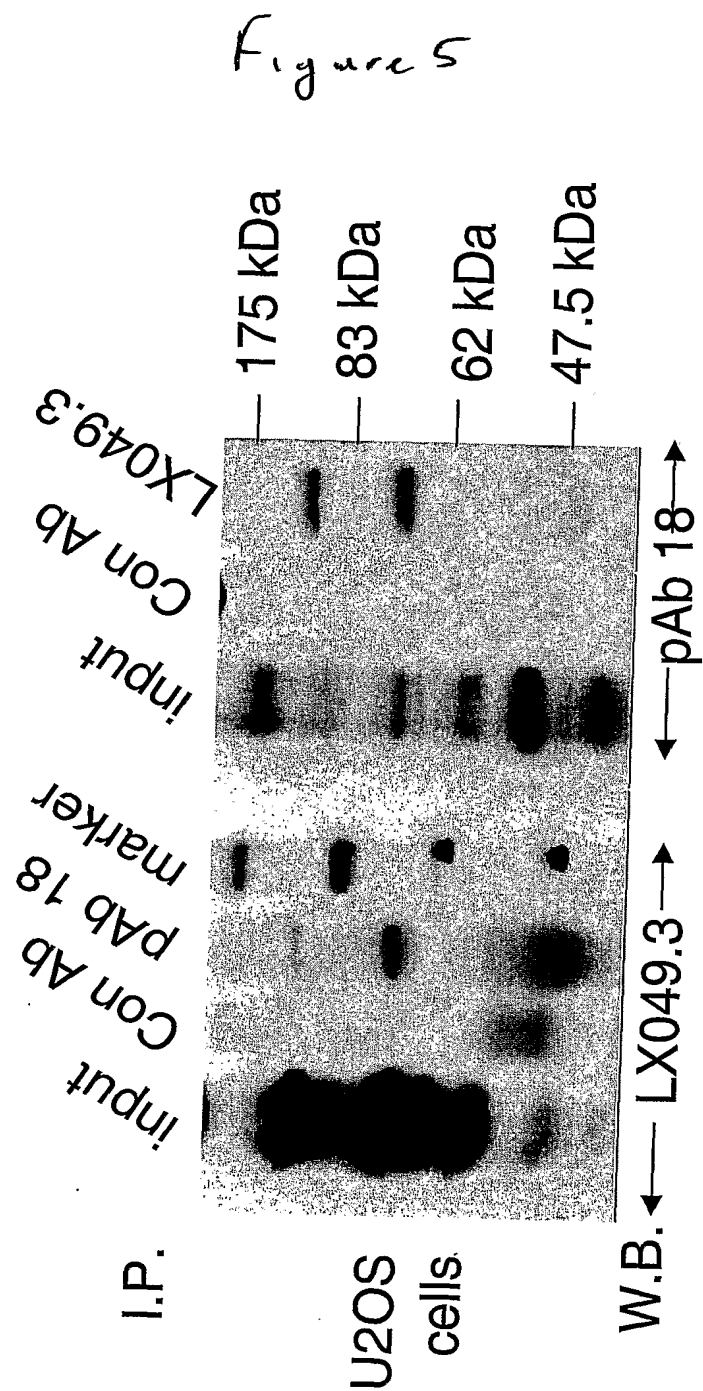


Figure 4D



# iASPP - I.P./Western blot



Effect of cell density and MG132 upon iASPP  
expression in U2OS cells

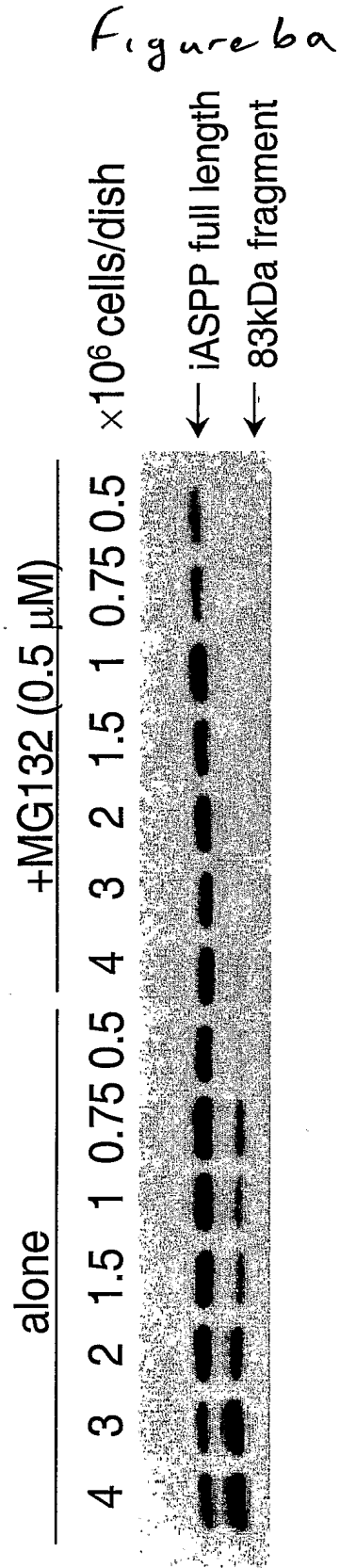


Figure 6b

Effect of MG132, Z-VAD.FMK upon iASPP

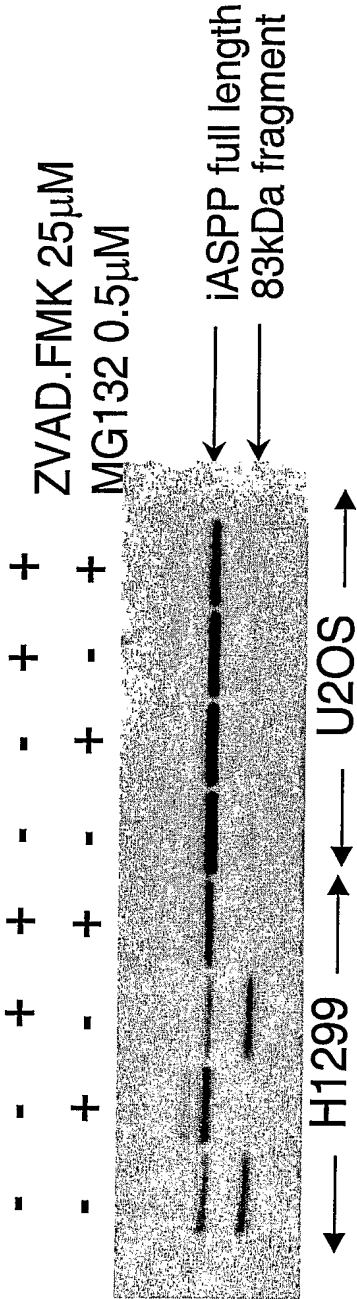


Figure 7

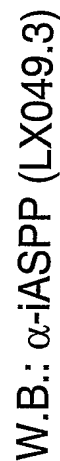


Figure 8

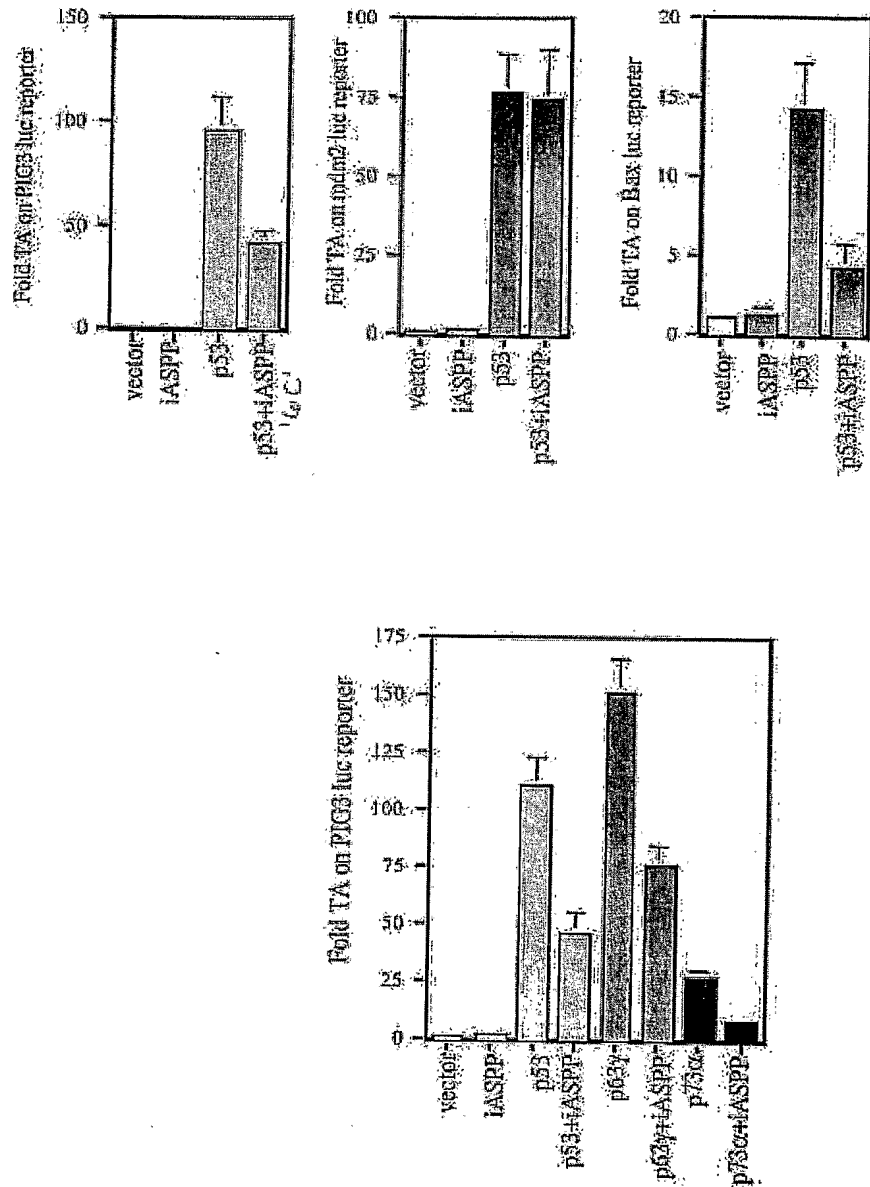


Figure 9

iASPP pattern in five different cell lines

